

COMMENT.

It is unfortunate that the author has not presented monthly or at least annual results in detail. It appears probable that the relation of precipitation to run-off and water losses could have been better established for this drainage basin from an analysis of the results for individual stations, by the method of group means, than by a comparison of the pentad means for different stations. The latter may include in a single mean the results for years of excessive and years of deficient precipitation. It is pretty well established that the relation of precipitation to run-off is not linear as most European investigators following Penck have assumed it to be. The method of determining the relation of precipitation to run-off by

comparing average results for areas representing different subdivisions of a larger drainage basin, as used by the author, is novel. Perhaps this method has not hitherto been used, because it is not generally applicable. The fact that it does apply reasonably well to the Oder drainage basin is undoubtedly due to the marked similarity of meteorologic conditions, especially as regards distribution of rainfall over the different subdivisions of the Oder drainage basin. However, there must be an appreciable difference in topographic and agricultural conditions affecting run-off in the different subdivisions of the area which is not taken into account by the author.

The author's use of hydrologic winter and summer seasons beginning with November and May, respectively, is to be commended.—R. E. Horton.

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C. FITZHUGH TALMAN, Professor in Charge of Library.

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Dorno, C[arl] Wilhelm Max.

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Ota, G.

Principles of meteorology. Tokyo. 1919. 3 p. 1., 12 p. 5 fold. diagrs. 19 cm.

Smyth, Henry Field.

A critical review of methods for the study of dust content of air. 10 p. 27 $\frac{1}{2}$ cm. (Reprinted from the Journal of industrial hygiene. July, 1919. Vol. 1, no. 3. p. 140-149.) Bibliography, p. 9-10.

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Wedderburn [Ernest MacLagan].

The application of meteorology to gunnery. Shoeburyness, Eng. 1919. 22 p. tables. 33 $\frac{1}{2}$ cm.

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C. F. TALMAN, Professor in Charge of Library.

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